

OCT 1 3 2005 Substitute for form 1449/PTO

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

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Title Of Invention	Pattern- and Model-Based Power Line Monitoring
Application Number	09/641,556
Filing Date	8/17/2000
First Named Inventor	Anish K. Arora
Art Unit	2121
Examiner Name	Thomas K. Pham
Attorney Docket Number	141388.03

	U.S. PATENT DOCUMENTS								
Examiner	Cite	U.S. Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where				
initials*	No.1	Number - Kind Code ² (If known)	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear				
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Examiner Initials'	Cite No.1	Foreign Patent Document KInd Codes Country Codes Number (il known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Т6

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the Item (book, magazine, journal, serial, symposium, catalog, etc.)., date, page(s), volume-issue number(s), publisher, city and/or country where published.	Τz
TP		BAHL, "User Location and Tracking in an In-Building Radio Network," Technical Report, MSR-TR-99-12, Microsoft Research, Feb. 1999.	
TP		GOLAND et al., "Simple Service Discovery Protocol/1.0, Operating without an Arbiter," <i>Internet Engineering Task Force</i> , Internet Draft, retrieved from http://quimby.gnus.org/internet-drafts/draft-cai-ssdp-v1-03.txt on 12/21/2004, pp 1-18.	

Examiner /Thomas Pham/	Date Considered	06/12/2006
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^{*}EXAMINER: Initial if reference considered, whether or not chation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Information Disclosure Statement—PTO/SB/08a&b Matter No.: 141388.03

¹ Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gog or MPEP 901.04. 3 Enter Office that Issued the document, by the two-letter code (MPO Standard ST.3). * For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 3 Kind of document by the appropriate symbols as indicated on the document under WiPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.



		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITALLETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.)., date, page(s), volume-issue number(s), publisher, diy and/or country where published.	1,5
TP		SMARTHOME, X10 Products, "Home automation products that are easy to install and easy on your wallet! X10 Products Use Your Home's Electrical Wires," retrieved from http://www.smarthome.com/x10map.html on 12/21/2004, pp 1-3.	
TP		The Home Phoneline Networking Alliance; Simple, High-Speed Ethernet Technology for the Home, <i>A White Paper</i> , June 1998, pp 1-11.	
TP		Wang et al., "Aladdin: Towards Self-Managing, Dependable Home Networking," retrieved from http://www.securityoffice.net/mssecrets/aladdin/FTCSLong.html on 12/21/2004, pp 1-16. April 2000.	
TP		Wang et al. "Towards Dependable Home Networking: An Experience Report," <i>Technical Report</i> , MSR-TR-2000-26, Microsoft Research, April 2000.	
TP		Staniford-Chen, S., Tung, B., and Schnackenberg, D, "The Common Intrusion Detection Framework (CIDF)", position paper accepted to the Information Survivability Workshop, Orlando FL, October 1998.	

			
Examiner	/Thomas Pham/	Date	06/12/2006
Signature	, ,	Considered	06/12/2006

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Information Disclosure Statement—PTO/SB/08a&b
Matter No.: 141388.03

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (MPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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	Substitute for for	n 1449A/B/PTO			Application Number	09/641,556
· IP	*	SUPPLEM	ENIT	· A I	Filing Date	August 17, 2000
/o\' '					First Named Inventor	ARORA
/	" & INI-C	PRMATION			Group Art Unit	2121
JUH 23	1 :57	TEMENT BY (Use as many sheets			Examiner Name	Thomas K. Pham
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	U.S. PATENT DOCUMENTS							
			U.S. Patent Do	cument		-		
	Examiner Initials	Doc. No.	Application or Patent Number	Kind Code	Name of Patentee or Applicant	Date of Publication	Filing Date If Appropriate	
DUPLICA		¥	5699501		Badovinatz et al.	12/16/97	04/30/96	
		AΟ	5787250		Bedovinatz et al.	07/28/98	04/30/96	
	IED	AP	5987376		Olson et al.	11/16/99	07/16/97	
		*	6311209	B1	Olson et al.	10/30/01	11/16/99	

FOREIGN PATENT DOCUMENTS										
Foreign Patent Document			Foreign Patent Document			Translation				
Examiner Initials	Doc. No.	Office	Application or Patent Number	Kind Code	Name of Patentee or Applicant	Date of Publication	Yes	No'+		
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	OTHER - NON PATENT LITERATURE DOCUMENTS										
	Examiner	Doc.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item	Trans	lation						
	Initials	No.	(book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number (s), publisher, city and/or country where published.	Yes	No*+						
			G. BALLINTUN et al. Exploiting Location Awareness for Scalable Location-Independent Object								
			IDs. Proceedings of the 5th Annual ASCI Conference, pp. 321-328 (1999).								
		AS	A. T. CAMPBELL. QOS-Aware Middleware for Mobile Multimedia Communications. Journal								
			Multimedia Tools and Applications, vol. 7, no. 1/2, pp. 67-82 (Kluwer, Dordrecht, Netherlands, July 1988).								
		AT	K. M. CHANDY et al. Using Announce-Listen with Global Events to Develop Distributed								
			Control Systems. Concurrency: Practice and Experience, vol. 10, no. 11-15, pp. 1021-1027		l						
			(Wiley, 1998).								
			D. CLARK. The Design Philosophy of the DARPA Internet Protocols. ACM SIGCOMM								
DUPLICA	LED		Computer Communication Review, Symposium Proceedings on Communications Architectures and Protocols, vol. 18, no. 4, pp. 106-114 (August 1988).								
			The HAVi Specification: Specification for the Home Audio/Video Interoperability (HAVi)								
•			Architecture. Version 1.0 beta (November 19, 1998). Page 9, ¶ 2.2.3; page 353, ¶ 10.3; page 354,								
			11 10.5.								
			P. II et al. A Comparison of Hard-state and Soft-state Signaling Protocols. Proceedings of 2003		ŀ						
			Conference on Applications, Technologies, Architectures, and Protocols for Computer Communications, pp. 251-262 (ACM Press, 2003).								
		AX	S. KIDMAR et al. A Pattern Matching Model for Misuse Intrusion Detection. Proceedings of								
			National Computer Security Conference, pp. 11-21 (1994).								
ſ		AP	P. PAN et al. BGRP: Sink-Tree-Based Aggregation for Inter-Domain Reservations. Journal of								
			Communications and Networks, vol. 2, no. 2, pp. 157-167 (Korean Institute of Communications								
Ļ			Sciences, Seoul, 2000).								

Examiner Signature Date Considered 06/13/2006 /Thomas Pham/

^{*} A concise statement of relevance is being submitted in lieu of a translation. 37 CFR 1.98(a)(3).

+ An English-language equivalent/patent, or an English-language abstract, or an English-language version of the search report or action by a foreign patent office in a counterpart foreign application indicating the degree of relevance found by the foreign office is being submitted in lieu of a concise explanation of relevance under 37 CFR 1.98(a)(3).

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1PE		Complete if Known	
Substitute for prim 1449A/B/PTO	Application Number	09/641,556	
2 3 2004 S SUPPLEMENTAL	Filing Date	August 17, 2000	
- JOHNERIAL	First Named Inventor	ARORA et al.	
INFORMATION DISCLOSURE	Group Art Unit	2121	
ATEMENT BY APPLICANT	Examiner Name	Thomas K. Pham	

Attorney Docket Number

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			OTHER - NON PATENT LITERATURE DOCUMENTS		
E	xaminer	Doc.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book,	Trans	Lation
	Initials	No.	magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number (s), publisher, city and/or country where published.	Yes	No*+
-		ΔZ	P. PAN et al. Staged Refresh Timers for RSVP. Proceedings of Global Telecommunications		
L			Conference (GLOBECOM97), vol. 3, pp. 1909-1913 (IEEE 1997).		
DUPLICA	ATED	ВА	P. PAN et al. YESSIR: A Simple Reservation Mechanism for the Internet. ACM SIGCOMM		
_			Computer Communication Review, vol. 29, no. 2, pp. 89-101 (April 1999).		
		ВВ	M. PARSA et al. A Protocol for Scalable Loop-Free Multicast Routing." In IEEE Journal on		
			Selected Areas in Communications, vol. 15, no. 3 (April 1997), pp. 316-331. New York: IEEE.		
-		ВС	H. R. RIS. EIB-Bus Europaischer Installationsbus Teil 2. Elektrotechnik, v. 44, no. 10, pp. 61-	—	
	TP	ВС	67 (Vogel, October 1993).		+
		BD	P. SHARMA et al. Scalable Timers for Soft State Protocols. Proceedings of Sixteenth Annual		
	7		Conference of IEEE Computer and Communications Societies (INFOCOM '97), pp. 222-229		
<u> </u>			(EEE, 1997).		
		BE	R. VAN RENESSE et al. A Gossip-Style Failure Detection Service. Proceedings of FIP		
			International Conference on Distributed Systems Platforms and Open Distributed Processing (MIDDLEWARE 98), pp. 55-70 (Springer, 1998).		
_		BF	W. VOGELS et al. The Design and Architecture of the Microsoft Cluster Service. Proceedings of		
DUPLIC.	ATED	БГ	the FTCS '98 (IEEE, June 1998).		
	ſ	BG	J. WALDO. The Jini Architecture for Network-Centric Computing. Communications of the ACM,		
<u> </u>			vol. 42, no. 7, pp. 76-82 (July 1999).		
		вн	L. WANG et al. A New Proposal for RSVP Refreshes. Proceedings of 7th International Conference on Network Protocols, pp. 163-172 (IEEE, 1999).		i
		ВІ	B. ZHAO et al. Locality-aware Mechanisms for Large-scale Networks. Presented at International		
	1		Workshop on Future Directions in Distributed Computing (FuDiCo 2002), Bertinoro, Italy, June		
1			2002. Available at http://oceanstore.cs.berkeley.edu/publications/papers/ abstracts/fudico-		_
			locality.html>, January 7, 2004.		
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[/]Thomas Pham/ A concise statement of relevance is being submitted in lieu of a translation. 37 CFR 1.98(a)(3).

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	Substitute for for	m 1449A/B/PTO			Application Number	09/641,556	
• /	00	SUPPLEM	RENIT	- A 1	Filing Date	August 17, 2000	
\0\	' 4) .				First Named Inventor	ARORA	
/	C/INF(ORMATION			Group Art Unit	2121	
1		TEMENT B' (Use as many sheet			Examiner Name	Thomas K. Pham	,
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	U.S. PATENT DOCUMENTS								
		U.S. Patent Document		,					
Examiner Initials	Doc. No.	Application or Patent Number	Kind Code	Name of Patentee or Applicant	Date of Publication	Filing Date If Appropriate			
- K	AN	5699501		Badovinatz et al.	12/16/97	04/30/96			
TP	AO	5787250		Badovinatz et al.	07/28/98	04/30/96			
TP	AP	5987376		Olson et al.	11/16/99	07/16/97			
TP	AQ	6311209	B1	Olson et al.	10/30/01	11/16/99			

	FOREIGN PATENT DOCUMENTS								
		Foreign Patent Document		t			Trans	lation	
Examiner Initials	Doc. No.	Office	Application or Patent Number	Kind Code	Name of Patentee or Applicant	Date of Publication	Yes	No*+	

		OTHER - NON PATENT LITERATURE DOCUMENTS		
Examiner Initials	Doc. No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number (s), publisher, city and/or country where published.	Yes Yes	No*+
TP	AR	G. BALLINTUN et al. Exploiting Location Awareness for Scalable Location-Independent Object IDs. Proceedings of the 5th Annual ASCI Conference, pp. 321-328 (1999).		
TP	AS	A. T. CAMPBELL. QOS-Aware Middleware for Mobile Multimedia Communications. Journal on Multimedia Tools and Applications, vol. 7, no. 1/2, pp. 67-82 (Kluwer, Dordrecht, Netherlands, July 1988).		
TP	AT	K. M. CHANDY et al. Using Announce-Listen with Global Events to Develop Distributed Control Systems. Concurrency: Practice and Experience, vol. 10, no. 11-13, pp. 1021-1027 (Wiley, 1998).		
TP	ΑU	D. CLARK. The Design Philosophy of the DARPA Internet Protocols. ACM SIGCOMM Computer Communication Review, Symposium Proceedings on Communications Architectures and Protocols, vol. 18, no. 4, pp. 106-114 (August 1988).		
TP	AV	The HAVi Specification: Specification for the Home Audio/Video Interoperability (HAVi) Architecture. Version 1.0 beta (November 19, 1998). Page 9, ¶ 2.2.3; page 353, ¶ 10.3; page 354, ¶ 10.5.		
TP	AW	P. II et al. A Comparison of Hard-state and Soft-state Signaling Protocols. Proceedings of 2003 Conference on Applications, Technologies, Architectures, and Protocols for Computer Communications, pp. 251-262 (ACM Press, 2003).		
TP		S. KUMAR et al. A Pattern Matching Model for Misuse Intrusion Detection. Proceedings of National Computer Security Conference, pp. 11-21 (1994).		
TP		P. PAN et al. BGRP: Sink-Tree-Based Aggregation for Inter-Domain Reservations. Journal of Communications and Networks, vol. 2, no. 2, pp. 157-167 (Korean Institute of Communications Sciences, Seoul, 2000).		

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Substitute 155	m 1449A/B/PTO			Application Number	09/641,556	
2 3 2004 5	SUPPLEN	IENTA	ı	Filing Date	August 17, 2000	
٠.				First Named Inventor	ARORA et al.	
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TP	ΑZ	P. PAN et al. Staged Refresh Timers for RSVP. Proceedings of Global Telecommunications Conference (GLOBECOM97), vol. 3, pp. 1909-1913 (IEEE 1997).		
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TP	BB	M. PARSA et al. "A Protocol for Scalable Loop-Free Multicast Routing." In <i>IEEE Journal on Selected Areas in Communications</i> , vol. 15, no. 3 (April 1997), pp. 316-331. New York: IEEE, 1997.		
atim	СВ	H. R. RIS. EIB-Bus Europaischer Installationsbus Teil 2. Elektrotechnik, v. 44, no. 10, pp. 61-61 (Vogel, October 1993).		+
TP	8 D	P. SHARMA et al. Scalable Timers for Soft State Protocols. Proceedings of Sixteenth Annual Conference of IEEE Computer and Communications Societies (INFOCOM '97), pp. 222-229 (IEEE, 1997).		
TP	BE	R. VAN RENESSE et al. A Gossip-Style Failure Detection Service. Proceedings of IFIP International Conference on Distributed Systems Platforms and Open Distributed Processing (MIDDLEWARE 98), pp. 55-70 (Springer, 1998).		
70	BF	W. VOGELS et al. The Design and Architecture of the Microsoft Cluster Service. Proceedings of the FTCS '98 (IEEE, June 1998).		
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TP	81	B. ZHAO et al. Locality-aware Mechanisms for Large-scale Networks. Presented at International Workshop on Future Directions in Distributed Computing (FuDiCo 2002), Bertinoro, Italy, June 2002. Available at http://oceanstore.cs.berkeley.edu/publications/papers/ abstracts/fudico-locality.html>, January 7, 2004.		

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First Named Inventor	ARORA				
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		U.S. Patent Document				
Examiner Initials	Doc. No.	Application or Patent Number	Kind Code	Name of Patentee or Applicant	Date of Publication	Filing Date If Appropriate
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1	AB	5,621,662	I	Humphries et al.	04/15/1997	02/15/1994
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FOREIGN PATENT DOCUMENTS								
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Examiner Initials	Doc. No.	Office	Application or Patent Number	Kind Code	Name of Patentee or Applicant	Date of Publication	Yes	No*+
18	AJ	EP	0 788 684	A2	NCR International Inc.	June 11, 1997		
TP	AK	EP	0 932 275	A2	Sony Electronics Inc.	July 28, 1999		

OTHER - NON PATENT LITERATURE DOCUMENTS						
Examiner Initials	Doc. No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, calalog, etc.), date, page(s), volume-issue number (s), publisher, city and/or country where published.		Translation		
				No**		
TP	AL	EDWARDS, W. Keith, Core Jini, Prentice-Hall: 1999, chapters 2, 3, 4, 6, 7, 8, 12.				
TP	ΑM	LYNCH, N., "Distributed Algorithms, Morgan Kaufmann Publishers: 1997, Chapters 3, 4, 4.1, 5, 6, 7, 12, 14, 15.1, 15.2, 16, 16.5.1, 19, 21 and 22.5				
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Date Considered Examiner Signature 10/14/03

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Complete if Known Substitute for form 1449B/PTO 09/641,556 **Application Number INFORMATION DISCLOSURE** 8/17/2000 Filing Date NOV Z U 2000 STATEMENT BY APPLICANT **Eirst Named Inventor** Wang et al. Group Art Unit RADELAR (use as many sheets as necessary). **Examiner Name**

Attorneý Docket Number

	OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Cite No.	item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s),	T ²
1	pp. 148-159.	
2	•	
3	of SIGCOMM, pp. 15-25 (1999).	
4		
5	S. Floyd et al, A reliable multicast framework for light-weight sessions and application level framing, Proceedings of SIGCOMM, Sept 1995.	
6	X10 FAQ, May 16, 1996, ftp://ftp.scruz.net/users/cichlid/public/x10faq	
7	M. Handley, SAP: Session Announcement Protocol, Internet Engineering Task Force, Internet-Draft, draft-ietf-mmusic-sap-00.txt, Nov 19, 1996	
	3	publisher, city and/or country where published. Hector Garcia-Molina, Elections in a distributed computing system, IEEE Transactions on Computers, 1982, 31, pp. 148-159. L Zhang et al, RSVP: a new espurce reservation protection IEEE Network, vol. 7, no. 5, pp.8-18, Sept 1993. S. Raman et al, A model, analysis, and protocol framework for soft-state based communication, in Proceedings of SIGCOMM, pp. 15-25 (1999). A. Arora et al, A timing-based schema for stabilizing information exchange in networks, in Proceedings of Int'l Conference on Computer Networks, 1995. S. Floyd et al, A reliable multicast framework for light-weight sessions and application level framing, Proceedings of SIGCOMM, Sept 1995. X10 FAQ, May 16, 1996, ftp://ftp.scruz.net/users/cichlid/public/x10faq M. Handley, SAP: Session Announcement Protocol, Internet Engineering Task Force, Internet-Draft, draft-ietf-

Examiner Signature	Thomas phan	Date Considered	7/11/2002	

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231

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¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.